



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

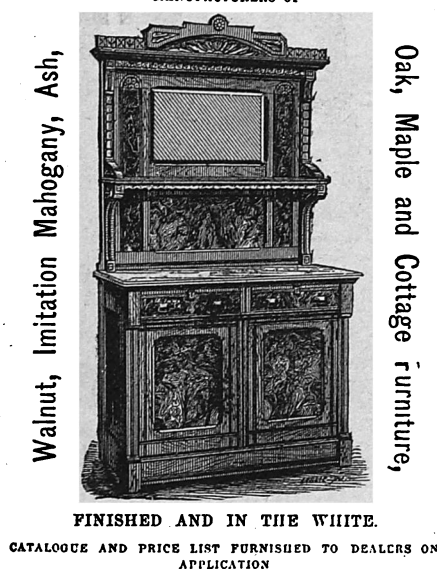
Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).



**BRUSCHKE & RICKE,**  
Fine and Medium Furniture Frames,  
257 DIVISION STREET,  
CHICAGO.  
SEND FOR ILLUSTRATED CATALOGUE.

**Williamsport Furniture M'fac'g Co.**  
(LIMITED).  
WILLIAMSPORT, PA.  
Branch Store, 121 North Second St., Philadelphia, Pa.  
MANUFACTURERS OF



FINISHED AND IN THE WHITE.  
CATALOGUE AND PRICE LIST FURNISHED TO DEALERS ON APPLICATION

**ROBERT KELSO & CO.**  
Manufacturers of



**Plain and Ornamental Iron Bedsteads**  
For Hospitals and Private Use. The best, most durable, and comfortable spring mattress in use. Brass Bedsteads, Hair Mattresses, Cotton and Husk Mattresses, Feather Beds, Pillows, etc.  
Warehouses, No. 639 Arch St., Phila.

APPROACHING COMPLETION  
AND FOR SALE.  
**Nos. 21 & 23 East 72d St.,**  
Each 22 by 68,  
With Dining Room Bay Window Extension.  
LOT 102 2-12 FEET.  
These houses have many very desirable features, both in plan and finish. The attention of parties desiring to purchase is requested, and an inspection invited. Apply on the premises.

**Wood Mosaic Veneers for Inlaid Work**  
ON FURNITURE, CABINET DECORATIONS,  
AND EXQUISITE BIJOU WORK.

Messrs. NAUMANN & FLEISCHMAN, Sole Agents for the United States and Canadas, would call the attention of Manufacturers of Fine Furniture for artistic effect, that they are in receipt of the handsomest designs in the above goods ever shown in this market.  
WE INVITE AN INSPECTION.  
**NAUMANN & FLEISCHMAN,**  
No. 6 West Fourteenth Street, Room 4,  
NEW YORK.

The Publisher will furnish the name and address of the maker of goods mentioned in this column. In order to avoid the appearance of advertisements, no name will be attached to notices herein.

**HINTS AND NOTIONS.**

**To remove ink stains.** Ink stains may be removed from a mahogany table by putting a few drops of spirits of nitre into a teaspoonful of water, and touching the part stained with a feather dipped into the mixture; immediately the ink stain disappears, the place must be rubbed with a rag wet with cold water, or there will be a white mark which will not easily be removed. Ink stains on silver or plated articles may be removed immediately and effectually without doing any injury to the things, by making a little chloride of lime into a paste with water, and rubbing the stains until they disappear and afterwards washing the article with soap and water. Ink stains may be removed from colored table covers by dissolving a teaspoonful of oxalic acid in a teacupful of hot water and rubbing the stained part well with the solution. Ink stains may be taken out of anything white by simply putting a little powdered salts of lemon on the stain, damping it, allowing it to remain about five minutes, and then washing it out with soap and water, when the stain will disappear. Ink may be removed from boards by applying some strong muriatic acid or spirits of salt with a piece of rag and afterwards well washing the place with water.

**Wainscot varnish** consists of eight pounds of second quality gum anise, three gallons of clarified oil, one quarter pound of litharge, one quarter pound of dried sugar of lead, one quarter pound of copperas, well boiled until it strings very strong, mixed with five and a half gallons of turpentine. This varnish dries quickly, and is principally used for house-painting and japanning. When a darker varnish is required, as for mahogany, a small portion of gold size may be mixed with it.—*Amateur Mechanics, London.*

**Hanging kettles** of copper or silver make very tasteful tea pots on a table.

**CRAZY PATCH WORK.**  
How to make it; how to obtain the silk for it. We send ten samples of elegant silk, all different, and cut so as to make one 10 in. block of Crazy Patchwork, for 25 cts.; 12 inch block, 35 cts., with diagram showing how it is put together.  
We send 20 working perforated patterns of butterflies, bugs, beetles, bees, spiders and webs, reptiles, Greenaway figures, etc., etc., and 10 sprays of flowers of various kinds, all for 60 cts., with powder and distributing pad for transferring to the silk. These patterns can be instantly transferred to any material, and can be used a hundred times over.  
Our book, "How to Make Home Beautiful," has instructions for making a variety of patchwork, with diagrams and illustrations of many fancy stitches for joining and ornamenting the silk. Also, has illustrations of all the Kensington and Ayrshire stitches, with instructions for doing this kind of embroidery and for making many beautiful and useful articles. It also contains a descriptive and illustrated list of nearly 1,000 patterns for various kinds of embroidery. Price 15 cts. All the above, with 10 varieties of silk for 10 in. block, 90 cts.; with silk for 12 in. block, \$1.00, with silk for both blocks, \$1.25, all post-paid.  
J. L. PATTER, 47 Barclay St., New York.

**HOLMES**  
**ELECTRIC HOUSE BURGLAR-ALARMS,**  
Electric House and Hotel Annunciators.  
Electric Calls and Signals for every purpose; Gas Lighting by Electricity; Electric Work of all kinds promptly and carefully attended to. Twenty years practical experience.  
**Holmes Burglar Alarm Telegraph Co.**  
518 BROADWAY, NEW YORK.

**ESTERBROOK'S**  
STANDARD  
and  
RELIABLE  
**STEEL PENS**  
FOR SALE  
BY ALL STATIONERS.  
**ESTERBROOK STEEL PEN CO.**  
Works, Camden, N. J. 26 John St., New York.

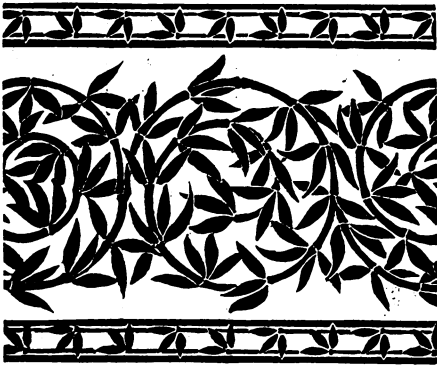
**JOHN TOLER, SONS & Co.,**  
MANUFACTURERS OF  
**Fine Furniture Casters.**  
We are making all kinds and sizes, from the ordinary  
**PLATE AND BED.**  
Up to the finest kinds used on First-class Furniture. Over seven hundred sizes and kinds of these Goods can be obtained through the  
**Principal Cabinet Furnishing Houses**  
In the States, arrangements with whom enable them to sell at our lowest prices. Special sizes and designs will be gotten up for the accommodation of our customers.  
Wheels may be made of leather, especially adapted to marquetry floors, as noiseless as soft rubber, and, unlike rubber, will not lose their elasticity for years. We have known them to wear for thirty years.  
**108 to 118 ADAMS STREET,  
NEWARK, N. J.**

**LAW BROTHERS,**  
MANUFACTURERS OF  
**CHAMBER FURNITURE,**  
Sideboards and Chiffoniers,  
**103 HAVERHILL STREET,  
BOSTON.**  
We sell the Suit shown in cut, in Walnut or Cherry, for \$26

ESTABLISHED 1824.  
**CHARLES H. GILLESPIE,**  
Successor to PARKER & GILLESPIE,  
MAKER OF THE FINEST GRADES OF  
**Varnishes and Hard Oil Finish**  
FOR  
**ARTISTIC CABINET WORK,**  
554 TO 562 WEST TWENTY-FIFTH STREET,  
NEW YORK.  
Correspondence Solicited.

Office of **A. Hammacher & Co.,**  
209 BOWERY, NEW YORK.  
TO THE TRADE:  
Our new Illustrated Catalogue of  
**CABINET HARDWARE, TOOLS AND TRIMMINGS,**  
Comprising some 300 pages of illustrated matter, will be ready for distribution about May 15th, and on application will be mailed free to all in the Trade.  
Please send your requisition early to insure prompt delivery, and oblige  
Respectfully yours,  
**A. HAMMACHER & CO.**  
Please name The Decorator and Furnisher.

W. A. CORSE,  
MANUFACTURER OF  
**Fine Decorations,**  
BORDERS, FRIEZES.



No. 181 Washington Street,  
BOSTON, MASS.

HENRY LUFT,  
DESIGNER AND MAKER OF  
**Fine Art Cabinet Furniture,**  
180 & 182 WEST HOUSTON ST.,  
NEW YORK.

PH. FREITAG,  
Manufacturer of—  
**Parlor Suits and Rich Cabinets,**  
INLAIN TABLES, PIER FRAMES,  
AND CORNICES,  
70 Bedford Street, New York.

AUGUST WUNSCH,  
Designer and Manufacturer of  
**Fine Art Furniture**  
TO ORDER.  
Artistic Antique Work a  
Specialty.  
427 Locust Street,  
PHILADELPHIA.



Refers by permission to  
Geo. W. Childs, Esq. and Hon. WAYNE McVEAGH.  
**ARTISTIC CABINET WORK**  
—B. SCHMIDT & CO.—  
501 to 505 East 70th Street,  
NEW YORK.  
Hardwood Doors, Ceilings, Mantels, Trimmings,  
Mirror Frames, etc.



J. Lovezzo & Bro.  
Cabinet Makers,  
**WOOD TURNERS**  
AND  
Manufacturers of  
Imitation Bamboo  
FURNITURE,  
117 PRINCE ST. N. Y.



C. A. AIMONE,  
MANUFACTURER OF  
**Furniture in Bamboo Style,**  
30 & 32 SOUTH FIFTH AVE.,  
Bet. Bleeker and West 3d Sts.,  
NEW YORK.  
FIRE GILDING ALSO DONE.

C. JOHANSON,  
MANUFACTURER OF  
**Antique and Modern Furniture,**  
MANTELS, SIDEBARDS, ETC.  
FROM DESIGNS,  
19 Wareham Street, Boston, Mass.  
ORDERS SOLICITED.



JOHN ERLANDSON & CO.,  
**Antique Furniture,**  
In Artistic Styles.  
**CORNER CHAIRS,**  
**NOVEL DESKS,**  
Wood Mantels made to  
order after Special Designs.  
All my Furniture is French  
Polished. Correspondence soli-  
cited.

100 UTICA ST., BOSTON, MASS.  
PETER WALKER,  
ARCHITECTURAL  
AND  
**Ornamental Wood Carver.**

Special Designs of High Artistic Excellence executed for  
Architects and Furniture Manufacturers.  
No. 2119 KIMBALL ST., PHILADELPHIA.  
Correspondence solicited and Estimates furnished.

H. GRUBENBECHER,  
**Steam Machine Carving Works,**  
MANUFACTURER OF NOVELTIES,  
159 LUDLOW STREET,  
NEAR STANTON STREET. NEW YORK.  
FIGURE CARVING A SPECIALTY.

The Publisher will furnish the name and address of the maker of goods mentioned in this column. In order to avoid the appearance of advertisements, no name will be attached to notices herein.

HINTS AND NOTIONS.

**Silver Shield of Scipio Africanus.**—In 1656, a fisherman found on the banks of the Rhone, in the neighborhood of Avignon, a large plate or dish, thickly encrusted with hardened mud, which he at first thought to be iron, but which subsequently proved to be of pure silver, perfectly round, more than two feet in diameter, and weighing twenty pounds. This relic, which had been buried in the Rhone for more than two thousand years, was the votive shield presented to Scipio by the inhabitants of Carthago Nova, now the city of Carthage, for his generosity and self-denial in delivering one of his captives—a beautiful virgin, betrothed to Allucius, a Spanish prince—to her lover. This act so honorable to the Roman general, who was then in the prime vigor of manhood, is represented on the shield which is engraved in the curious and valuable work of M. Spon.

To make paste for laying cloth or leather. To a pint of the best wheaten flour add resin, very finely powdered, about two large spoonfuls; of alum, one spoonful, in powder; mix them all well together, put them into a pan, and add by degrees soft or rain water, carefully stirring it till it is of the consistence of thin cream; put it into a saucepan over a clear fire, keeping it constantly stirred, that it may not get lumpy. When it is of a stiff consistence, so that a spoon will stand upright in it, it is done enough. Be careful to stir it well from the bottom, for it will burn if not well attended to. Empty it out into a pan and cover it over till cold, to keep it free from lumps.

**Glass.**—Pliny informs us that the art of making glass was accidentally discovered by some merchants who were traveling with nitre, and stopped near a river issuing from Mount Carmel. Not readily finding stones to rest their kettles on, they employed some pieces of their nitre for the purpose. The nitre gradually dissolving by the heat of the fire, mixed with the sand, and a transparent matter flowed, which was, in fact, glass. It is certain that we are more indebted to chance than genius for many of the most valuable discoveries.

To dissolve the silver off old plated goods. Mix 1 oz. of finely-powdered saltpetre with 10 oz. sulphuric acid, and steep the goods in this mixture. If diluted with water it acts on copper and other metals, but if very strong it dissolves the silver only, and may be used to dissolve silver off plated goods without affecting the other metals.

A broom holder has been patented, consisting of a rubber jaw-like clamp, with box for holding it, for holding brooms by their handle when not in use.

To clean looking glasses. Sponge down the glass with gum and water, equal parts; then dust down with whitening, and finish with an old soft silk handkerchief.

Indian ink running. If it is for drawing plans you may prevent it running by adding a little sugar to the Indian ink.

Marble mantels are painted to imitate fancy woods.

**TIRRILL'S  
EQUALIZING GAS MACHINE,**

For making standard uniform Gas instantly without fire, danger, smoke or smell,  
**USING PLAIN BATING BURNERS.**  
SEND FOR CIRCULAR.

O. TIRRILL, 39 Dey St., New York.



A. STEFAN,  
UPHOLSTERER

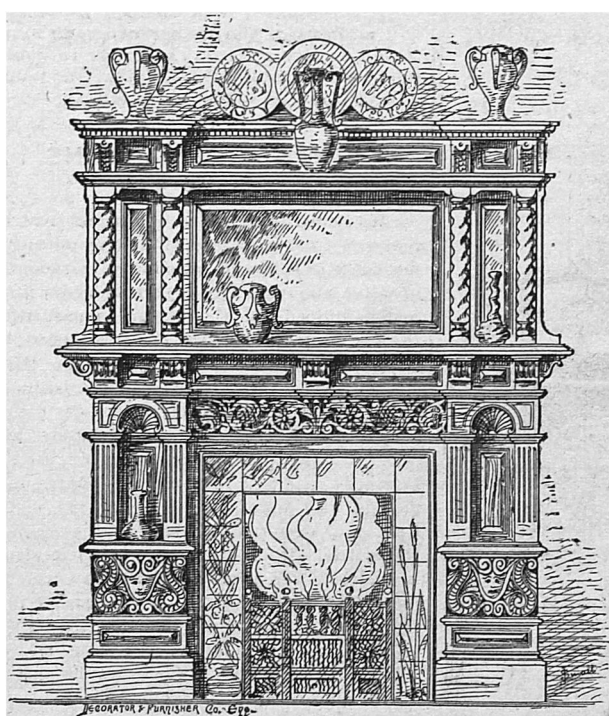
AND  
Interior Decorator  
171½ TREMONT ST.,  
BOSTON, MASS.

All orders in the city or country promptly attended to in person.

ALEXANDER MATIER,  
(17 years with H. H. Dyer.)  
No. 12 East Seventeenth Street,  
NEW YORK.

**FINEST UPHOLSTERY**  
IN ALL ITS BRANCHES.

Patrons can select from samples of the latest patterns, kept constantly on hand, or by themselves, out of the stocks of leading houses in the trade. Curtain Drapery and Hangings a specialty.



C. P. KEELER.

KEELER & CO.

The Trading  
Furniture House

OF

THE EAST.

83 to 91 Washington St.,

CORNER ELM,  
BOSTON, MASS.

GEO. A. KEELER.

MERKLEN BROS.,

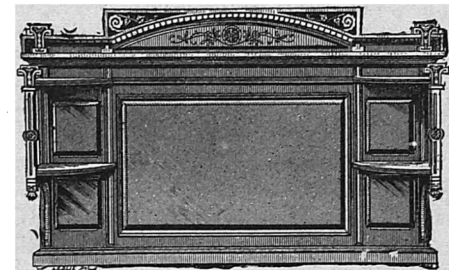
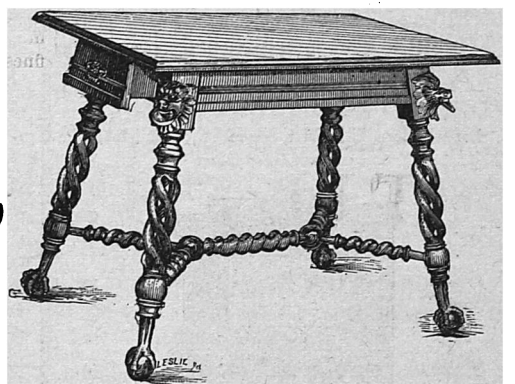
MANUFACTURERS OF

**Fancy Spiral Furniture,**

313 & 315 EAST 22d ST.,

Between 1st and 2d Aves.,

NEW YORK.



F. WENTER,

MANUFACTURER OF

**Fine Cabinet Ware,**

199 & 201 E. VAN BUREN ST.,

CHICAGO, ILL.



No. 192.

IRON BACKS.

HERTEL & SPARMANN,

MANUFACTURERS OF

**Fine Furniture Frames**  
(TURKISH).

58, 60, 62, 64 CLINTON ST.,

NEW YORK.



No. 330.

ASH BACKS.

**BEIN BROS. & CO.,**  
**CABINET-MAKERS.**  
123 FIFTH AVE.,  
NEW YORK.

**FIRST-CLASS WORK**  
In Upholstering, Interior Drapery, Decorations and Handsome Furniture,  
Executed by the undersigned, who has been until recently in the employ of one of the most popular and successful houses in this line on Broadway. Slip Covers, Curtains, Portieres and Draperies after latest designs. Old Furniture Re-Upholstered and Renewed skillfully. Families waited upon at their residences.  
EUGENE VERBEEK (formerly with D. L. Solomon's Sons),  
751 Sixth Avenue, New York.

A. B. RÜDIGER,  
Patentee and Manufacturer of  
**LEATHER GRIMMINGS,**  
For the Upholster Trade.  
Fringes, Tassels, Rosettes, Cords, Gimps, etc.  
Horn Furniture and Leather Lambrequins a specialty; also Ornamental Leather Work.  
No. 522 First Avenue, New York.

J. T. SMITH & CO.,  
Manufacturers of Novelties in  
**Bullion, Fancy & Chenille Fringes**  
BORDERS, GALLONS, GIMPS, CORDS, TASSELS,  
ETC., ETC.,  
103 & 107 East Thirteenth St.,  
NEW YORK.

OTTO ZAENKER,  
253 West Forty-first Street, near Eighth Ave., New York.  
Takes this occasion to announce to the public and his old customers that he is prepared to execute all orders and work in his especial line in the best manner and at reasonable prices.  
Upholstery, Shades, Hair Mattresses & Pillows Made in the best manner, also Repairing and Varnishing Fine Furniture. Carpets Cut and Laid in the best manner and with despatch.

BROWN, DeTURCK & CO.,  
IMPORTERS AND DEALERS IN  
**UPHOLSTERY GOODS,**  
CAR AND CABINET MAKERS FINDINGS,  
218 South Second Street,  
3 Union Square, New York; 127 S. Dearborn Street, Chicago; 11 Rue Martel, Paris.



## T. ASPINWALL & SON, \* TILES \*

Of all descriptions for Floors, Walls, Hearths, Fire-places, and Decoration generally.

**WOOD MANTELS,**  
GRATES, OPEN FIREPLACES, BRASS  
FENDERS, ANDIRONS, ETC.

**Roman Mosaic, Art Pottery.**  
N.B.—Special attention paid to the furnishing  
and fitting of Mantels and Fire-places, and esti-  
mates given for same fitted complete.

**75 & 77 West 23d Street,**  
MASONIC TEMPLE. **NEW YORK.**  
Sole Agents for MINTON'S and for the  
CAMPBELL TILE CO.

**Minton's Artistic Tiles.**  
**SHARPLESS & WATTS,**  
(Agency Established 1850),  
**1325 MARKET STREET, PHILADELPHIA.**

Newest designs for Floors and Walls. Richly glazed  
Tiles for Hearths and Fireplaces. Chefs d'œuvres of  
Art Painted Plaques for Mantels, Cabinets, Panels, etc.

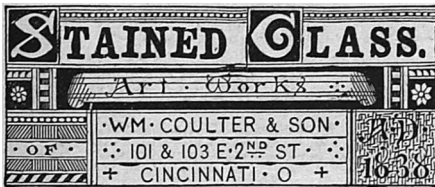
**AMFAHR'S**  
**Art Stained Glass**  
For Church, Memorial and Ornamental Windows.  
AT REASONABLE PRICES,  
**212 West 33d Street,**  
Near Seventh Avenue, **NEW YORK.**  
DESIGNS FURNISHED ON APPLICATION.

**ALFRED BOOTE,**  
**11 EAST 19TH ST.,**  
Manufacturer and Importer of

## \* TILES \*

OF ALL DESCRIPTIONS.  
From **MINTON'S, Maw's, Boote & Co.**  
MOSAICS in stock and made to order.  
LARGE STOCK OF

**Mantels, Grates and Open Fireplaces.**  
Special designs made to suit customers free of charge.  
Experienced men kept to set Mantels, Grates and Tiles



**SPANISH TILES.**  
**NOLLA'S** the Best Colors and Hardness ever  
produced in Flooring Tile.  
ORIGINAL DESIGNS FOR EVERY WORK.  
**FERNANDO MIRANDA,**  
Sole Agent for the United States,  
WELLS BUILDING. **18 Broadway, N. Y.**

**J. & R. LAMB,**  
**59 CARMINE ST., N. Y.**  
Sixth Avenue Cars pass the door.  
**ARTISTIC**  
**Stained Glass.**  
NEW DESIGNS IN PROGRESS OF WORK.  
**MEMORIAL WINDOWS.**  
Door Lights, Window Panels,  
Screens, &c.  
**FIRE SCREENS, &c., &c.**  
Send for Hand-Book by Mail.

## THE PAINTERS' FOREMAN A Book of Valuable Receipts.

It explains how to grain or imitate French Walnut that cannot be discounted, also Black Walnut, Oak, Ash, Chestnut, Cherry, Satinwood, Bird's Eye and Curly Maple, and the different woods that are imitated by graining. It gives you a sample color of the different kinds of background used to imitate the different kinds of wood, how to mix and what colors to use to make them, and how to apply them from the first coat to the last. The Graining department is explained so clearly and fully that by following the directions any one can do a first-class job of graining. It also explains how to do different kinds of Fresco work, what colors to use, how to mix and apply them. How to grain or imitate the different marbles, what colors to use, how to mix and apply them. How to make the different kinds of wood fillers, the different kinds of oil finish, the different kinds of polishes. How to gild letters on wood. How to make and use smalt. How to paint banners, etc. How to gild on japan, tin signs. How to make changeable signs that will read three different ways on same board. How to letter glass signs. How to do pearl work. How to gild on glass. How to color glass. How to ebonize wood. How to make paint for school blackboards. How to do crystal photograph painting, etc., etc. In fact it is the only work published that explains fully and clearly the different secrets of the painting art. Price, by mail, post paid, \$2.00. Address,

**Lock Box C. F. C. SHEPARD, Evansburgh, Pa.**

**TIDDEN & ARNOLD,**  
**Stained Glass and Metal Works,**  
**247, 249 & 251 WILLOUGHBY STREET, BROOKLYN.**  
Designs and Prices sent on application.

## HINTS AND NOTIONS.

To clean old marble or alabaster. Im-  
merse the objects for two or three days in  
water to soften the dirt, lime, etc., then take  
them out and clean them with a brush or  
scraper. When cleaned in this way as much as  
possible, lay them in a mixture of one part of  
concentrated muriatic acid and three parts of  
water until they appear perfectly clean. Some-  
times it may be necessary to increase the  
"biting" property of the sour water with  
nitric acid. Finally, soak the objects in water  
till they are perfectly free from acid. The  
appearance may often be improved by rubbing  
with a little almond oil.

A good black walnut polish is prepared  
by taking pulverized asphaltum, and put it in  
a jar or bottle, pour over it about twice its  
bulk of turpentine or benzol; put in a warm  
place, and shake occasionally; when dissolved  
strain and apply it to the wood with a cloth or  
stiff brush; should it prove too dark, dilute  
with turpentine or benzol. If desired to bring  
out the grain more, apply a mixture of boiled  
oil and turpentine. When the oil is dry, polish  
the wood with a mixture of 2 parts shellac  
varnish, boiled oil 1 part; shake well before  
using. Apply with a cloth, and rub briskly.

Liquid gold for decorating china is  
prepared by grinding gold leaf with white  
honey on a porphyry slab until reduced to the  
finest possible state of division; this is mixed  
with thick gum arabic and powdered borax.  
With this mixture the design is traced on  
china, etc., and baked in a hot oven. The  
gum is then burnt and the borax vitrified, and  
at the same time the gold is fixed on the  
china.

Diamonds having a yellow hue are said to  
be rendered colorless by being dipped into a  
solution of the aniline violet well-known as  
mauve, violet de Paris, methyl violet, etc. A  
thin coat remains on the stone, and as violet is  
the complementary color of yellow, the dia-  
mond appears perfectly white or slightly  
bluish, which renders it still more valuable.

For amber colored paint. Mix French  
yellow in boiled oil, adding sufficient red lead  
or litharge to produce the desired shade.

Rattan Window Shades are cooling.

## ALFRED GODWIN & CO., Stained Glass.

Memorial and Figure Windows  
a Specialty.

LEADED MOSAICS FOR DWELLINGS, ETC.

Send for Illustrated Catalogues.

**1201 MARKET STREET,**  
**PHILADELPHIA.**

**CLEVELAND**  
**Stained Glass Works,**  
No. 99 and 101 Public Square,  
**CLEVELAND, Ohio.**

Stained, Enameled, Embossed and Cut Glass  
Memorial Windows and Domestic Work of every kind  
Correspondence solicited and estimates furnished.  
**GEORGE DRAKE, PROPRIETOR.**

**Star Encaustic Tile Company,**  
(LIMITED),  
Office, 90 FOURTH AVE., PITTSBURGH, PA.

MANUFACTURERS OF ALL DESIGNS AND COLORS OF  
**Plain and Encaustic Flooring Tile**  
For Floors, Halls, Hearths, Vestibules, and all  
Public and Private Buildings.

Quality warranted equal to the best Imported Tile.

**THOMAS G. AICKIN,**  
MANUFACTURER OF  
**Stained, Enameled, Embossed and Cut Glass,**  
IN EVERY STYLE OF THE ART, MODERN AND ANTIQUE,  
For Public and Private Buildings  
Designs furnished for Memorial, Heraldic and  
Figure Windows.  
Office & Factory, 2129 & 2131 Market St.,  
**PHILADELPHIA.**

**Otto F. Falsch,**  
ECCLESIASTICAL AND DOMESTIC  
**Glass Staining,**  
34 EAST HOUSTON STREET,  
NEAR BROADWAY, **NEW YORK.**

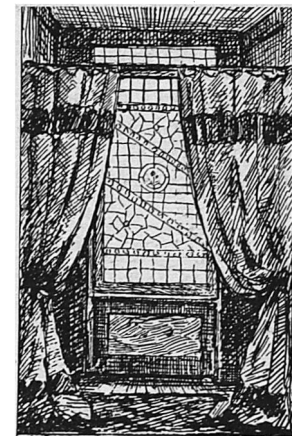
**M'CAW, STEVENSON & ORR'S**  
PATENT  
**"Glacier" Window Decoration,**  
The Most Perfect Substitute for Stained Glass.



MANUFACTURED AT THE  
**LINENHALL WORKS, BELFAST, IRELAND.**  
**PHILADELPHIA: NEW YORK:**  
106 NORTH 10TH STREET. 82 BROADWAY.  
**BOSTON:**  
52 KILBY STREET.

**The Smith & Dasselme**  
**Ornamental Glass Works.**  
ARTISTIC ORNAMENTATION ON GLASS OF EVERY DESCRIPTION, for Steamboat, Car, House and Church Decoration.  
Looking Glass Plates Ornamented in Gold and Silver. Monograms, Trade Marks, Crests, etc.,  
neatly arranged. Designs Furnished on Application.  
**89 & 91 CHARLES ST., N. W. corner Bleeker St., NEW YORK.**

**OWINGS, LE DERLE & CO.,**  
**Stained Glass, Mosaics, etc.**  
**30 & 32 EAST FOURTEENTH STREET,**  
Between Fifth Avenue and University Place,  
Elevator Entrance No. 30. **NEW YORK.**  
DESIGNS AND ESTIMATES FURNISHED.



## "Eureka" Stained Glass A PERFECT SUBSTITUTE.

The "EUREKA" gives the most Perfect, Cheapest and Best  
Decoration for Churches, Store Fronts, Offices, Parlor, Chamber  
and Bathroom Windows, Sky and Dome Lights. It can be applied  
to glass already in the sash without removing them.

ESTIMATES AND CIRCULARS FREE.  
Send diagram of window, giving exact size of pane of glass  
showing between the wood and the thickness of sash bars.

Responsible and Energetic Agents wanted outside of New York City.

**C. L. SEIB,**  
Successor to F. M. JOHNSON & CO.,  
**853 BROADWAY, corner Fourteenth Street, NEW YORK.**

**CHARLES H. TURNO, Jr.,**  
**ART STAINED GLASS,**  
For Churches and Dwellings.  
ALSO,  
**MOSAIC GLASS FOR WALLS AND CEILINGS.**  
OFFICE AND STUDIO,  
**No. 28 West Fourth St., New York.**  
Memorial Windows a Specialty.

**ART GLASS,**  
IN SHEET AND DISCS.  
**T. A. WILLSON & CO,**  
Manufacturers.  
**Works, READING, PA.**



**MEEKER & CO.,**  
No. 346 SIXTH AVENUE,  
Bet. 21st and 22d Sts. **NEW YORK.**  
Repairing of every description of Bric-a-Brac  
and Art Treasures, no matter how badly  
broken. All kinds of Marble, Alabaster, Parian  
and Terra-Cotta cleaned and repaired equal to  
new. Bronze, Silver Ware, Ivory and Pearl Fans,  
Kaneys and Inlaid Wood Work, Tortoise Shell  
Combs, Dolls, Jets, Rubber, etc. Glass ground and  
cut to order. Missing parts made and painted to  
defy detection. China and Glass Riveting a spe-  
cialty. Repairing called for and delivered. Manu-  
facturers of the "ORIGINAL STRATENA."

**STAINED GLASS.**  
**GEORGE A. BOWEN,**  
**No. 184 West Fourth Street,**  
**CINCINNATI, O.**  
Orders taken for Interior, Household and Ecclesi-  
astical Decorations.

**JAKEWAY & SAVARY,**  
**Artistic Embossed Glass.**

**SILVERED EMBOSING**  
FOR  
Furniture Trade a Specialty.  
For Mantels, Cabinets, Sideboards,  
Vestibule and Storm Doors, Rail-  
road Cars, Offices, etc.  
**80 WOOSTER STREET,**  
**NEW YORK.**

## WILLIAMSON'S Bronze and Brass Tiles

FOR  
**MANTEL FACINGS.**  
MANUFACTURED BY

**The Williamson Art Metal Works,**  
**LOUISVILLE, KY.**



**C. OTTO FICHT,**  
DESIGNER AND ARTIST IN  
Fresco Decorations,  
896 BROADWAY, Room 10,  
NEW YORK.  
Established since 1848.

**JOHN LAW,**  
Decorative and Plain Painter,  
PAPER HANGINGS, ETC.  
Designs and Estimates Furnished.  
1679 BROADWAY,  
Bet. 52d and 53d Sts. NEW YORK.

**VANDERBEEK BROTHERS,**  
Fresco Painters and Decorators.  
PLAIN PAINTING, PAPER HANGERS.  
No. 1816 BROADWAY,  
NEW YORK.

**HERRMAN ANSPACHER,**  
Decorative Art Designer & Painter  
FOR DWELLINGS AND CHURCHES,  
957 Sixth Avenue, near 53d St.  
NEW YORK.



**WADSWORTH HOWLAND & CO.**  
84 WASHINGTON ST.  
BOSTON  
Importers & Dealers  
in  
**ARTISTS' and DRAUGHTSMANS Materials**  
WOOD STAINS & FILLERS  
PAINTS OF ALL KINDS.  
MANUFACTURERS OF VARNISHES and  
BAY STATE PAINTS

BRONZE POWDERS, BROCADES, FLITTERS, LEAF OF ALL KINDS INCLUDING VARIEGATED

**JOHN CORCORAN,**  
IMPORTER AND DEALER IN  
Fine Fresco Colors, Brushes,  
BRONZE POWDERS, ETC.,  
143 East Forty-second St.,  
Third and Lexington Aves. NEW YORK.

**SALEM LEAD COMPANY,**  
PURE WHITE LEAD,  
Lead Pipe and Narrow Sheet Lead,  
SALEM, MASS.

### HINTS AND NOTIONS.

In filling up cracks and breaks in walls, painters experience a great annoyance from the rapidity with which the ordinary plaster of paris and water "sets." A remedy will be found in using vinegar instead of water. Mix the same as if water was used, and the result will be very much like putty, and will remain plastic for about a half an hour, finally becoming perfectly hard.

Liquid glue—4 ounces hard glue, 16 ounces acetic acid; dissolve by soaking and heating. Spaulding's glue is supposed to be ordinary glue dissolved in good, strong vinegar. Another way is to add a little pyroligneous acid to a thick solution of glue and water.

A flower pot is the subject of a patent. It is so constructed that a quantity of water will be retained in the lower part of the pot and at same time air will have access to and can circulate around the roots of the plant, thereby promoting rapid growth.

Professional dusters is a new industry for women. They go to fashionable houses where a profusion of bric-a-brac is displayed and dust it with the greatest care and nicety. How responsible they may be for breakage it is difficult to say.

**McCRAITH & McCONCHIE,**  
MURAL PAINTERS  
And Decorators in Fresco.

Paper Hanging done in the best manner, with the choicest patterns and latest designs from the leading manufacturers.  
138 West 38th St., near Broadway, N. Y.

### ACME WINDOW BLIND.

The attention is called to the advantages possessed by the ACME WINDOW BLIND over the old style of shutters, the construction of which is fully illustrated in the engraving. The slats are operated by a knob attached to a movable bead at one end, thus doing away with the unsightly centre rod. The pins supporting and operating the slats are of metal, which do not shrink or swell by atmospheric changes, thus permitting a better fit and avoid all rattling. The slats can be rolled in either direction, and closed so tightly that no light will be admitted. They will also remain in any position. Broken slats are easily replaced, only the screws securing the bead having to be removed. These Blinds are endorsed by the leading architects as the best and most complete inside blind manufactured, and adopted in the lately furnished dwellings of the Vanderbilts, Goetts, Stuart, Bishop, Morgan, Ruppert, Hoffman House, Progress Club, Knickerbocker Apartment building, and many other modern and first-class buildings. We invite their examination by those intending to furnish.

**WM. MORSTATT,** Sole Manuf'r,  
W. 29th Street, near 7th Avenue, New York.

Important to Wall Paper Factories, also Important to Painters and Decorators, and to every business pursuit who use

### METAL AND WOOD UTENSILS.

We keep constantly on hand a full supply of Strainers, Sanders, Work and Wall Pots, Gallon Cans, etc. Galvanized Iron Kalsomine Pails, Size Kettles, (double bottom), Dippers, Tanks and Pumps. Rung and Step-Ladders, Trestles, Fresco Standards, Swing Scaffolds, Ropes, Blocks and Irons (C and Angle). Metal Pails and Dippers for Paper Hangings, Factories, etc., a specialty.

**REILLY & BROTHERS,**  
416 & 418 West Forty-second St.,  
Take 9th Av. El. R. to 42d St. NEW YORK.

ASK YOUR DEALER FOR

**"B. P. V."**

Metallic Paints for Art Decoration.

Embracing Light Gold, Dark Gold, Copper Bronze, Green Bronze and Red Bronze, put up in Boxes with Mixing Dish and Brush.

**UTILITY SKETCHING BOXES.**  
Lefranc's Celebrated French Oil and Water Colors.

**BROWNELL, PHELPS & VENINO,**  
Manufacturers and Importers of Artists' Materials, Wax Flower Materials, and Articles for Home Decoration.

35 Barclay Street and 40 Park Place, New York.  
HANDSOME SHOW ROOM AND ELEGANT DISPLAY OF GOODS.



**F. W. DEVOE & CO.,**  
Corner of Fulton and William Streets,  
NEW YORK,  
MANUFACTURERS OF  
**ARTISTS' MATERIALS.**  
Mathematical Instruments, Engineers, Draughtsmen and Architects Supplies.  
**READY MIXED PAINTS**  
FOR EXTERIOR WORK.  
Wood Fillers and Wood Coatings for Inside Work.  
MANUFACTURERS OF  
COLORS, VARNISHES AND FINE BRUSHES

### SOLID RELIEF,

The New Decoration for Side Walls and Ceilings.

PATENTED JULY 24, 1883.



Artistic, Durable and Impervious to Atmospheric Influences. Fire and Water Proof. Special Designs in this Decoration.  
A room decorated with Solid Relief can be seen at the Casino, Central Park.

### Fresco and Architectural Works.

DRAUGHTSMEN'S SUPPLIES, CARVERS, LITHOGRAPHERS AND ENGRAVERS' DESIGNS.  
Artists' Materials Generally.

**JANENTZKY & WEBER,**  
1125 Chestnut Street, Philadelphia.  
SEND FOR CATALOGUE.

### JOHNSTON'S PATENT STANDARD Dry Sized Kalsomine and Fresco Paints,

An Unequalled Preparation for Coloring Walls and Ceilings.  
READY FOR USE.

Nine-tenths cheaper than Wall Paper, Three-Fourths cheaper than Oil Paint.  
Pure White, and a Variety of Beautiful Tints.

Endorsed by Painters, Dealers and Housekeepers wherever tried. No Poisonous Matter enters into its composition. Purifies and Beautifies. Will not rub or scale from the wall, but makes a smooth, rich and even surface. Invaluable in cleansing and disinfecting walls impregnated with germs of disease. Mixed in Five Minutes ready for the brush, by the addition of water only. An inexperienced person can use it, with the greatest ease and facility. Not a common wash, but a ready and convenient Paint for inside work on stone, brick, wood or plaster. Six pounds will make over a gallon, which will cover with a good body 500 square feet, on a hard finished wall, one coat. Testimonials from scientific and practical men all over the world. Ask for "Johnston's Patent Dry Sized Kalsomine," and see that you do not get any poor substitute. For sale by Paint, Drug and Hardware Dealers everywhere. Send for sample card and circular to

**DRY KALSUMINE AND FRESCO PAINT WORKS,**  
Office, 206 Water Street, New York.



**FROST & ADAMS,**  
DEALERS IN  
Artists' Materials of Every Description.  
MATHEMATICAL INSTRUMENTS and STATIONERY for ARCHITECTS and ENGINEERS.  
37 CORNHILL, BOSTON.  
ILLUSTRATED CATALOGUE SENT UPON APPLICATION.

**W. NIELSON & SON,**  
Decorators in Solid Relief,  
PATENTED APRIL 10, 1883, AND  
DESIGNERS IN FRESCO.  
No. 1535 Broadway, New York.

**Messrs. LOUIS\* & CO.,**  
DESIGNERS AND DECORATIVE ARTISTS IN FRESCO,  
LINCRUSTA WALTON,  
Papier Mache and all the Latest Inventions in Relief Decoration,  
Office and Show Room, 1193 BROADWAY, Studio 31, NEW YORK.  
\*LOUIS W. HNATKOWSKI.  
SKETCHES, SAMPLES AND ESTIMATES ON APPLICATION



THE WINE OF THE PEERAGE



*Perrier, Gouët*  
Champagnes.

Fruity,  
Dry,  
Dry Special,  
Brut.

*DuVivier & Co.*  
49 BROAD ST.  
N.Y.

SOLE AGENTS.  
U.S.

**THOMAS W. DONNELLY,**  
Successors to D. DONNELLY,  
LATE FAYE, DONNELLY & CO., 810 BROADWAY,  
**DECORATIVE PAINTER.**  
OFFICE:  
No. 85 East Fifty-sixth Street,  
NEW YORK.  
PAINTING IN ALL ITS BRANCHES.

**H. M. LAWRENCE,**  
Ceilings, Friezes & Wall Surfaces,  
Designs or Completed Work,  
No. 9 EAST SEVENTEENTH STREET,  
NEW YORK.

**E. G. SOLTSMANN,**  
Drawing Materials,  
BLUE PROCESS PAPER  
AND  
COPIES OF TRACINGS,  
119 Fulton Street, New York.




**MAXWELL'S  
Prepared Gypsum**  
For Whitening and Coloring  
Stores, Dwellings, Churches,  
Mills, Hotels, Barns, or for  
any purpose where whitewash  
or kalsomine is used;  
A Beautiful,  
Durable,  
and Cheap  
wash for the wall, outside or  
inside; it will be good for  
years if kept covered with  
water. It is smooth, like  
paint. For use, reduce with  
water quite thin, and apply  
with kalsomine brush.  
**JOHN MAXWELL,**  
606 to 610 Washington Ave.,  
PHILADELPHIA.

**TITSINK & PHILLIPS,**  
MANUFACTURERS OF  
Bronzes and Artistic Gas  
Fixtures.  
SPECIAL WORK FURNISHED FROM PRIVATE DESIGNS.  
No. 207 Centre St., New York.



**PENNSYLVANIA  
ENGRAVING CO.**  
118 So. 7th St. PHILA. PA.



**J. L. SMITH**  
MAPS, ATLASES,  
GLOBES, SPRING MAP ROLLERS,  
MAP CASES &  
DO ALL WORK  
PERTAINING TO THE BUSINESS.  
MAP PUBLISHER 27 S. SIXTH ST. PHILA. PA.

The Publisher will furnish the name and address of the maker of goods mentioned in this column. In order to avoid the appearance of advertisements, no name will be attached to notices herein.

### HINTS AND NOTIONS.

To clean pictures. Wash with a sponge or a soft leather and water, and dry by rubbing with a silk handkerchief. When the picture is very dirty, take it out of its frame, procure a clean towel, and making it quite wet, lay it on the face of the picture, sprinkling it from time to time with clear soft water. Let it remain wet for two or three days; take the cloth off and renew it with a fresh one; after wiping the picture with a clean wet sponge, repeat the process till all the dirt is soaked out; then wash it well with a soft sponge, and let it quite dry; rub it with some clear nut or linseed oil. Spirits of wine and turpentine may be used to dissolve the hard old varnish, but they will attack the paint as well as the varnish if the further action of the spirits is not stopped at the proper time by using water freely.

A favorite improvement to the country-house of the period is a good windmill. It is picturesque and useful, and with docility and industry, works uncomplainingly night and day, furnishing water for domestic conveniences, fountains, lawns, flower gardens, stables, etc. A zephyr stirs it, and it defies the storm, and never gets out of order if occasionally dosed with oil. Some windmills blow themselves to pieces at every puff of wind. That is not the kind we mean.

The invention of a bed having appliances for the improved care of an invalid will prove a boon in many households. In addition to its ordinary use as a first-class bed, it has ingenious mechanical devices whereby a patient can be placed in any position without touching the body. It is a bed for health and sickness, and, we should think, a good article to have in the house.

Fireplace decoration for the summer months, when fires are never thought of, may consist of growing plants, moss, ferns, etc.

Colored glass globes to hang beneath the hall lamp, soften the light and have a pretty effect.

Colors for stained glass windows are old gold, ruby and green. These, at least, are more popular than others.

A sombre room can be made charming by expending a little time and thought upon it.

### The Continent for May. JUST OUT.

FRONTISPIECE.—Portrait of General Joseph R. Hawley, U. S. Senator, engraved by Thomas Johnson from a photograph by Brady.

JOSEPH R. HAWLEY.—A well considered estimate of the character and career of a leading candidate for distinguished honor in the Presidential campaign.

A PROBABLE CANDIDATE.—Joseph R. Hawley. By A. W. Tourgee.

"DORCAS," by the author of "Arius, the Libyan." "The classical pictures by Will H. Low promise to be a delightful feature of 'Dorcas'; indeed, the artist who caught the expression of troubled thought in the young girl's face might feel satisfied with that for a season's work."—*Critic*.

ILLUSTRATED POEMS.—"The Lamp of St. Just," by H. F. King; "The Rock of Ages," by Reginald Young; "The Life Within the Clod," by A. F. Browne, etc.

THE THREE CROWNS.—A Poem. By "Orpheus C. Kerr."

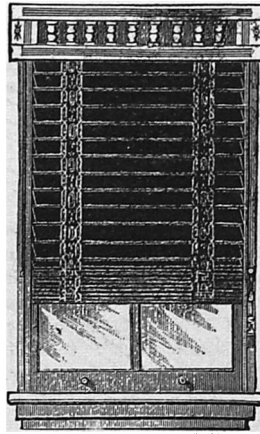
WALTER SAVAGE LANDOR.—A Study. By Joel Benton.

A. W. TOURGEE on "National Education" and Current Topics.

SHORT STORIES.—"The Decanter Stand," by Cecil Ramsey; "Samuel Merriam's Venture," by H. S. Atwater; "Adopting an Authoress," by F. L. Slegt, etc.

128 large quarto pages, profusely illustrated. THE MONTHLY CONTINENT is neither the "Giant," nor the "Pearl," nor the "Gem" of the Monthlies; but it is the best handful of reading matter and illustration ever offered for the money.

FOR SALE BY ALL DEALERS, or mailed postpaid on receipt of the price by THE CONTINENT, 23 Park Row, N.Y.



### THE CELEBRATED PHILADELPHIA Venetian Blinds,

Of all sizes, kinds and qualities, Upholstered in the best manner and furnished at short notice. In various shades of GREEN, BROWN, DRAB, BLUE, STONE COLOR, LAVENDER, TAN COLOR, OLIVE, SAGE OR BOTTLE GREENS, In Light, Medium, or Dark Tints, or made of Natural Woods, such as Black Walnut, Chestnut, Cherry, Spanish Cedar, Mahogany, Maple, Cypress, Ash or Poplar, in either Varnish or Oil Finish.

Made of Slats, 1 1/4, 1 1/2, 1 3/4, 2 or 2 1/2 inches wide, with Linen, Worsted or Silk Trimmings.

These Blinds will fit any window, without alteration to window frames, and are much better and cheaper for Bay Windows than inside shutters.

Used and recommended by the leading Architects of the country. When estimates are desired, please give exact size of sash (or sash openings).

Illustrated Circular on application. Please mention this paper.

MANUFACTURED BY

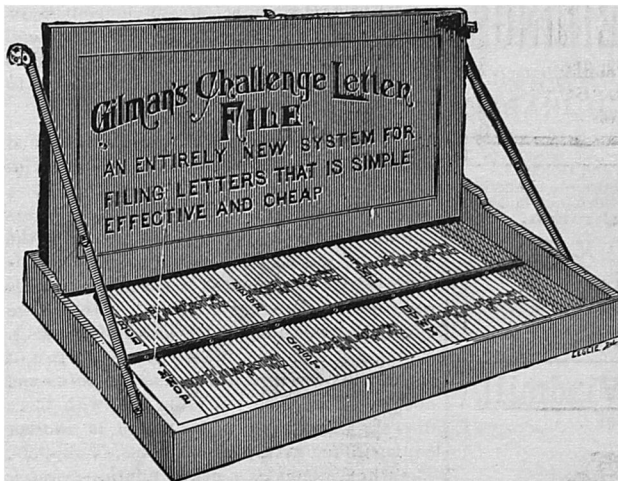
**EDWIN LOUDERBACK & CO.,**  
Nos. 413 & 415 South Fifth Street, Philadelphia, Pa., U. S. A.

Important to Painters, Frescoers and Artists.

### EDW. C. ATWOOD, DEALER IN PAINTERS' SUPPLIES,

Has opened a superior and fresh stock of goods used by the trade, and offers to sell on as reasonable terms as can be purchased anywhere in the city. Call and see for yourself at

435 SIXTH AVENUE, between 26th and 27th Streets, and 1649 SECOND AVE, NEW YORK.  
On hand a Selected Stock of the Latest Designs in Wall Paper.



The annexed cut is a fac-simile of one of

**GILMAN'S**  
(Six Division)

### CHALLENGE Letter Files

Exhibiting a view of the File when open and affixed to the wall; also showing a view of the same when closed. As will be observed, this is an entirely new system of filing letters, from the fact that when the cover is raised immediate access is had to every one of the different filing divisions, thus obviating the necessity of pulling out drawers and raising springs or covers when wishing to file a letter or paper.




Our system saves time, and the price of our Files is from three-fourths to one-third less than other kinds. We place our

Cabinet Letter Files  
ON THIRTY DAYS TRIAL.

Send for Circular and Price List.

Challenge Letter File Co.,  
178 DEVONSHIRE STREET,  
BOSTON, MASS.



**THE NEW ENGLAND  
DECORATING MACHINE CO.**  
Manufacturers of  
**FINE CARVINGS**  
IN  
MAHOGANY, CHERRY,  
WALNUT, OR ASH,  
FOR  
**FURNITURE**  
**Cabinet Work.**  
CHURCHES & DWELLINGS.  
Catalogues and Prices of Designs  
mailed on application  
OFFICE 632-4 HARRISON AVE.  
BOSTON MASS. U.S.A.

ARTISTS' MATERIALS OF EVERY DESCRIPTION.

Decorative Art Goods, Art Pottery and Picture Frames,

**CHARLES J. EDMANDS,**  
12 BROMFIELD STREET, BOSTON, MASS.

Catalogue furnished on application.

**ROBERT TROGER & CO.,**  
ARTISTS IN ORIGINAL FRESKO DESIGNS,  
(MODERN STYLES A SPECIALTY).

In receipt and constantly on hand the latest and choicest designs in

WALL PAPERS.

Decorators of LINCRUSTA WALTON, of which we keep the latest patterns. PAINTING in all its Branches.  
Showrooms and Office, 61 WEST 125th STREET, NEW YORK.



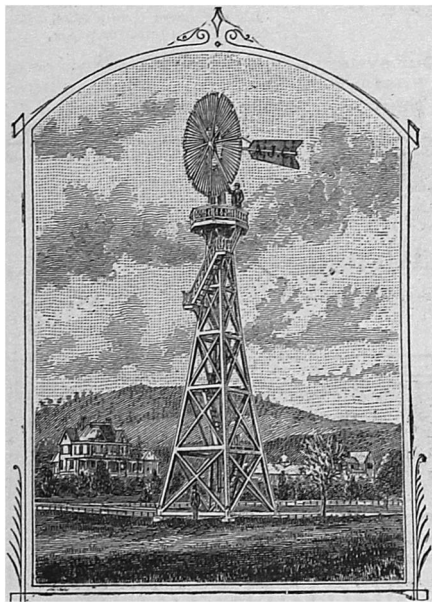


Paneled, Fluted and Crimped  
**SHEET IRON CEILINGS,**  
Ornamental and Highly Attractive in Appearance.  
**FIRE PROOF AND DURABLE.**

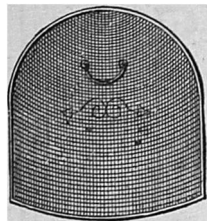
Will not crack, stain, or fall off like plaster; will not shrink, warp, or burn like wood. Suitable for Halls, Churches, Stores and Offices. These ceilings are especially valuable for ceiling over old plaster. The plaster need not be taken off. **No plaster will sit through.**

**A. NORTHROP & CO.,**  
MANUFACTURERS OF  
Sheet Iron Roofing and Building Materials,  
**PITTSBURGH, PA.**

**"Storm Defying Windmill."**  
SEND FOR CATALOGUE.



**A. J. CORCORAN,**  
76 John Street, New York City.



**COLLINS' PATENT**  
**"EXCELSIOR"**  
**Fire Screens.**

"Excelsior" Folding Dress Fenders a perfect protection for Open Fire Places or any Open Fire. These goods are a new design, and combine elegance with usefulness. For sale at all leading Grate and Fender Warehouses, and by the sole manufacturer,

**ARTHUR COLLINS,**  
332 Seventh Avenue, New York.

**FINE GRAY**  
**IRON**  
**CASTINGS.**

**JAPANING, NICKEL-PLATING. BRONZING.**

**THE TAHANTO MANUFACTURING CO.,**  
42 BATTERY MARCH ST., BOSTON,

**Manufacturers of Decorative Articles in Metal.**

Friezes, Panels and Dados for the Interior Decoration of Houses, Hotels, etc. Panels for Furniture from imported and original designs. Facings and Tiles for Mantel Pieces, etc. in Copper, Brass, Bronze and Silver.

Special attention is called to the reproductions from natural leaves and flowers in the panels and tiles for furniture and interiors.

Correspondence solicited and estimates furnished on application.

The Publisher will furnish the name and address of the maker of goods mentioned in this column. In order to avoid the appearance of advertisements, no name will be attached to notices herein.

**HINTS AND NOTIONS.**

For japaning small iron goods, the japan may be put on with a brush, generally two coats. If the goods are of a kind that will bear dipping, you may thin the japan with a little turpentine. You will have to make a few experiments to find just how much to thin the particular kind of japan that you are using. The goods should be heated upon a plate of iron over the oven stove to a little above the temperature of boiling water, then dipped into the japan quickly and out, either with a hook or on small wires, then drained for a moment and hung in the oven. The oven should be raised to a temperature of 250 degrees Fahr. Great caution should be used with an oven heated by a stove. Nothing but the pipe or such part of the stove as will not communicate fire to the vapor of the japan should be exposed in the chamber. The air that feeds the fire should not under any circumstances be taken from the drying chamber. A steam coil is the best if you can use steam at 60 pounds pressure, as that pressure is necessary to produce the desired temperature.

A combination wardrobe.—A wash-hand stand occupies the right hand corner with useful drawer under the marble top, a chamber cupboard and a curtained recess below. Three shelves are arranged over the table top, and the lower one in the angle is intended for the sponge. The central space is utilized as a hanging cupboard, with a large silvered glass mirror in the panel of the door. To the left a clothes press extends the rest of the width, over a useful recess for books and bottles. Then comes a table top, with three drawers below, and under these is another cupboard for hats, bonnets, boots, or slippers. The whole stands on a heavy plinth.—*Scientific American.*

Richness of a floor covering is especially desirable, for all carpets of a "washed out," dull, or faded appearance are the reverse of satisfactory.

Hangings, wall decorations, furniture, and ornamental additions in an apartment may be soft in tint and delicately manipulated, but a carpet must be full, rich, and deep.

Granulated cork is a non-conductor of heat and a deadener of sound. It might be used in walls and floors.

To paint one article without any reference to its surroundings is in the worst possible form.

An enamel formed of asbestos is used to cover pipes, put on walls, etc., and serves to protect them.

Screens of leather or covered with Lin-crusta-Walton make very pretty pieces of furniture for a dining room.

Coal oil stains may be removed from a carpet by sopping it with ether, naphtha or chloroform.

Mirrors are now often hung with curtains caught back in the old way as if draping a window.

The woodwork and walls of a room should agree in coloring.

Matting may be cleaned with hot water and salt. A thin coat of varnish improves it.

Square tea tables painted bright red are novelties.

Tapestry decoration is becoming more popular constantly.

Glass napkin rings are made.

Toilet mirrors are framed with plush.

Ruby amber glass is a recent innovation.

**Special Food for the Brain and Nerves,**  
Composed of the Nerve Giving Principles of the Ox Brain and Wheat Germ.  
**VITALIZED PHOSPHITES.**

This is a Standard Preparation with all Physicians who treat Nervous or Mental Disorders, For twelve years its careful chemical composition has been superintended by a Professor of Materia Medica and Chemistry, and its correct analysis vouched for by a Professor of Chemistry and Technology. It is the only **Vital Phosphite known**; other preparations of Phosphorus are laboratory compounds. **Formula on every label.**

It is used for the cure of all nervous troubles, restoring the vigor lost by overwork, anxiety, worry, sleeplessness, pain or debility.

It aids in the bodily and wonderfully in the mental growth of children. IT IS A **PREVENTIVE OF CONSUMPTION AND A POSITIVE CURE FOR NIGHT SWEATS.**

**E. CROSBY & CO., No. 56 West 25th Street, New York.**

FOR SALE BY DRUGGISTS, OR SENT BY MAIL, \$1.



**Clover Leaf Ventilators & Chimney Caps.**

FOR VENTILATING PUBLIC AND PRIVATE BUILDINGS, RAILROAD CARS, SOIL AND WATER PIPES AND WATER CLOSETS.

**SMOKY CHIMNEYS CURED,**

Stationary, Durable, Noiseless, Storm Proof and Cheap.

MANUFACTURED AND FOR SALE BY

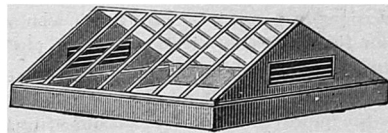
**E. VAN NOORDEN & CO.,**

387 Harrison Avenue, Boston, Mass.

AGENCIES { M. M. MURPHY & CO., CLEVELAND, OHIO.  
JAMES B. SCOTT & CO., PITTSBURGH, PA.  
PECK BROTHERS & CO., N. Y. CITY AND NEW HAVEN, CONN.  
A. MOLLO, 87 ROYAL STREET, NEW ORLEANS, LA.  
DETROIT LEAD PIPE AND SHEET LEAD WORKS, DETROIT, MICH.

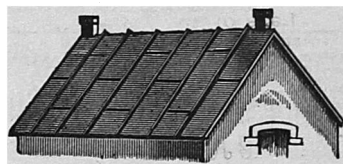
MANUFACTURERS ALSO OF

**Metallic Ventilating Skylights,**  
Guaranteed absolutely weather, storm, fire and condensation proof.



Galvanized Iron Cornices, Window Caps, Corrugated Iron Buildings, Fire Escapes, etc.

SEND FOR ILLUSTRATED CIRCULARS.



Garry Iron Roofing, Iron Tiles or Shingles.

**BOULT'S PATENT REVERSE MOTION**  
**Paneling, Variety Moulding & Dovetailing Machine.**

Cuts Panels of any Design or Style of Mould in the SOLID WOOD, with Neatness and Dispatch. Is a FIRST-CLASS Shaper, Edge and Surface Moulder. Does General Dovetailing with THICK OR THIN STUFFS.

**SIMPLE, DURABLE AND EFFICIENT.**

CHAM, SWITZERLAND, May 6, '81.

The Battle Creek Machinery Co.,

Battle Creek, Mich.

GENTLEMEN: The Boulton's Patent Moulding, Carving, Paneling and Dovetailing Machine which we purchased of you in 1877 has been in constant use ever since, and has given entire satisfaction in every particular. Too much cannot be said in its praise. Its equal can certainly not be found in Europe. Yours truly,

ANGLO SWISS COND. MILK CO.

IMPROVED

**Solid Steel Cutters,**

For all kinds of Variety Moulders, made to order and warranted.

Send for Pamphlet and sample of work.

**BATTLE CREEK MACHINERY CO.**

Battle Creek, Michigan, U. S. A.



**Architects AND Builders**  
WANTING  
**FANCY GRILLS, ANDIRONS, ETC.**

Are requested to forward plans, or have us call and give estimate.

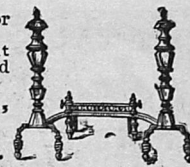
Special attention given to Wrought Iron Fencing, Window Guards and Stable Goods.

**DAVID PETTIT & CO.,**

Nos. 1126, 1130 & 1132 Ridge Av.,

PHILADELPHIA.

Old Stand of Robert Wood & Co.



**Iron Vases**  
FOR GARDENS LAWNS AND CEMETERIES

**Flower Pot & Shelf Brackets**  
Wire Railings  
Flower Baskets & Stands  
Etc.

**Iron Chairs and Settees**  
We issue separate illustrated catalogues of each branch of our business. State Goods Required and we will send the Right Catalogue Free.

**M. D. JONES & Co.**  
MANUFACTURERS OF  
**Ornamental Iron Works etc**  
FOR DECORATION OF  
**Lawns Cemeteries Residences &c.**  
No. 76 Washington St. Boston.  
Connected by Telephone.

**STABLE FITTINGS**  
HARROWS PARTITIONS ORT MANGERS  
JONES Improved STALL FLOORS &c.  
IRON CRESTING

**METAL WREATHS**  
CROSSES &c.  
FOR CEMETERIES

**ORNAMENTAL FOUNTAINS**  
DRINKING FOUNTAINS  
SPRINKLERS



**M. B. WIGGIN'S SONS,**

MANUFACTURERS OF

Opaque and Holland Shades,  
DEAD FINISH HOLLAND

AND  
Patent Holland Dados.

EVERYTHING IN THE WINDOW SHADE LINE.

124 Clinton Place,  
NEW YORK.

OUR NEW  
**Rocksonia**

**Hollands,**

equal to the Scotch in finish  
and better in fabric

**FINE WALL PAPER**

AND  
**Window Shades,**

GEORGE SMITH, JR.,

344 BOWERY 344  
NEW YORK.

**M. LOEB,**

MANUFACTURER OF

Gold and Bronze Portrait and Picture  
Frames and Looking Glasses,

825 SIXTH AVENUE,

Between 46th and 47th Streets, NEW YORK.  
CENTRAL LOCATION OF REFINED SOCIETY.  
All kinds of Gilding and Re-Gilding done at shortest  
notice; also Looking Glasses put up and Pictures hung  
at Private Residences. Picture Frames, finest quality,  
in artistic designs and reasonable prices.

**JOHN BAKER & SON,**

Late of the Edison Ill. Co.

Incandescent Electric Light Wiring for any  
system, Electric Burglar Alarms, Electric House  
and Hotel Annunciators, Electric Call Bells and  
Speaking Tubes, Electric Gas Lighting and Re-  
pairing. Estimates furnished and all work war-  
ranted. Orders by mail promptly attended to.

117 & 119 JOHN STREET, NEW YORK.

**THOS. J. STEWART,**

STEAM

**CARPET CLEANING**

And Renovating Works,

By the most advanced and complete systems in exist-  
ence. Having been engaged in the business for the past  
thirteen years, I can guarantee satisfaction in this all-  
important branch of home economy and health. Address  
1554 Broadway, N. Y., Telephone Call 376 39th St.  
AND ERIE AND 5TH ST., JERSEY CITY, TEL. CALL 155.

**Parquet Floors.**

WM. HANNAM & Co.

Now 31 E. 17th St.

Will Remove May 1st to  
297 FIFTH AVENUE,  
NEW YORK.

1/2 inch tongue and  
grooved, European style,  
solid and substantial. Also  
1/4 inch Fancy Wood Carpet  
Floors.  
Book of Designs, 3 cents.



**MARQUETRY FLOORS.**

JAMES D. DRISCOL,

Manufacturer of

Warranted

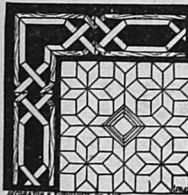
Hard Wood Fancy Floors

AND DADOS

OF ANY DESIGN.

Estimates furnished on application.

37 & 41 BRISTOL ST.,  
BOSTON.



**BUTCHER'S**

**The Butcher Polish Co.**

MANUFACTURERS

Of the only suitable Finish  
for Hard Wood Floors. It  
preserves the natural color  
and beauty of the wood.  
Easily applied, cheap and  
durable. Put up in conven-  
ient packages, with direc-  
tions.

Office, 171 TREMONT ST., BOSTON, MASS.  
Circular and Price List  
mailed on application.

**Boston Polish**  
OR  
**HARD WAX**  
**FINISH**

**FOR SALE,**

800,000 feet 1 inch and 1 1/4 inch

**Hard - Maple Flooring.**

Also Ash and Walnut Ceiling, Quartered Sycamore, White Pine Flooring, Ceiling, and Finishing Lumber.

**KILN-DRIED SHINGLES,**

All 6 inch wide and promiscuous widths.

**WM. M. DWIGHT & CO.,**

DETROIT, MICH.

The Publisher will furnish the name  
and address of the maker of goods men-  
tioned in this column. In order to avoid  
the appearance of advertisements, no name  
will be attached to notices herein.

**HINTS AND NOTIONS.**

Paper bottles are now made on a large  
scale in Germany and Austria. The paper  
must be well sized. The following is said to  
be a good receipt for the paper: Ten parts of  
rags, forty of straw, fifty of brown wood pulp.  
The paper is impregnated or coated on both  
sides with sixty parts of defibrinated fresh  
blood, thirty-five parts of lime powder, five  
parts sulphate of alumina. After drying, ten  
or twelve rolled leaves are coated again,  
placed over each other, and then placed in  
heated moulds. The albumen in the blood  
forms a combination on pressure with the lime  
which is perfectly proof against spirits, etc.  
The bottles are made in two pieces, which are  
joined afterwards.

A step ladder, or more properly two  
ordinary ladders attached, covered poles and  
rungs with pearl gray plush, and draped at the  
top with mauve plush in the form of curtains,  
and having on either side at unequal heights, a  
shelf supported on the rungs and also plush  
covered, may be made a very pretty parlor  
ornament. From between the ladders suspend  
a bucket containing flowers and plants; upon  
the shelves spoken of are stood pictures, and  
pictures also are attached to the rungs.

A surface, hard, smooth, glossy and black,  
may be obtained on wooden panels for decora-  
tive purposes by the following: Dissolve gum  
shellac in alcohol and add enough powdered  
ivory black or drop ivory to give it the con-  
sistency to apply with a brush. Put on three  
or more coats, rub down with rottenstone and  
a woolen cloth when dry, and varnish with  
thin coach varnish.

Steel articles may be blued in the follow-  
ing manner. Make a box of sheet iron, fill it  
with sand, and subject it to a steady heat.  
The articles to be blued must be finished and  
well polished. Immerse the articles in the  
sand, watching them until they are of the  
right color, when they should be taken out and  
immersed in oil.

A picture exhibiter has been patented.  
It is a casing with a series of swinging doors,  
with recesses in the inner sides, in each of  
which picture holding frames are hinged, and  
with a central standard on which frames are  
hung, with a mechanism for opening or closing  
the doors.

Living pictures are being exhibited at the  
Brighton Aquarium, London. A picturesque  
background is painted and the living figures  
are arranged in front of it, representing the  
grouping of some more or less well known  
picture.

Chameleon glass, whose nature may be  
judged from the name, is a new English  
decoration.

M. Baudry is to decorate a ceiling and  
arches of the New Hotel de Ville, at Paris, at  
an expense of \$33,000.

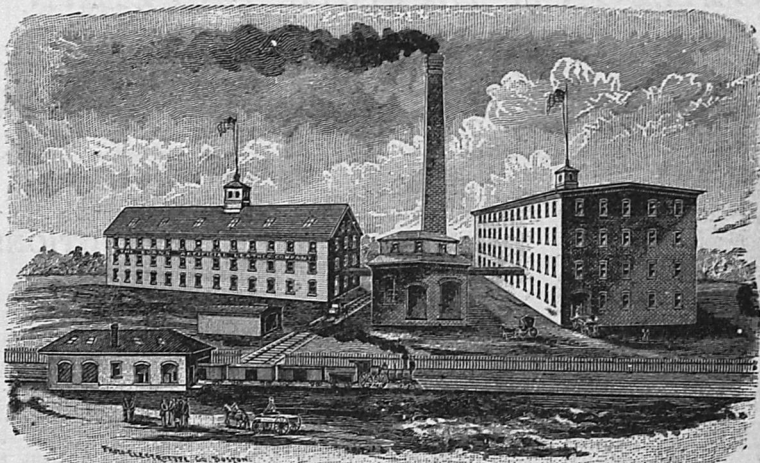
White clothes may be whitened in wash-  
ing by boiling a teaspoonful of turpentine  
with them.

Scarfs have replaced lambrequins to a  
considerable extent.

The beveled edges of mirrors are orna-  
mented.

Lincrusta-Walton is used for table mats.

**HAVE YOU TRIED THE  
IMPROVED  
SUBSTITUTE FOR LEATHER.**



Medals received for Best Substitute for Leather at the Cincinnati and Louisville  
Expositions of 1883.

It is indistinguishable from real leather in nature and appearance, is manufactured in all  
desirable colors, is not affected by the temperature, is impervious to water, and is made in light  
and heavy weights so that it may be substituted for cheap as well as costly leather.

IT COSTS LESS, varying from one-third to two-thirds, according to the kind of leather it is  
used in place of.

It is especially adapted for UPHOLSTERING FURNITURE, for LAMBREQUINS,  
PORTIERES, and DECORATIVE purposes generally.

Special attention is called to our ALLIGATOR goods, being now largely used for furniture  
coverings, and also our NEW EMBOSSED LEATHER SUBSTITUTE in any design suitable  
for wall decorations, ceilings, and other purposes.

WALTER N. DOLE,  
General Agent.

**EVANS ARTIFICIAL LEATHER COMPANY,**

92 Pearl Street, Boston.

in sending for Samples state the purpose for which the Goods are intended.

**WESTERN ELECTRIC COMPANY,**

62 to 68 CHURCH STREET,

NEW YORK.

227 to 251 South Clinton Street, Chicago.

**Electric Bells, Hotel and House Annunciators.**

**Burglar Alarms, Automatic Fire Alarms.**

**ELECTRIC GAS LIGHTING FOR CHURCHES, THEATRES AND PRIVATE DWELLINGS.**

Estimates on work in any part of the country furnished on application.

**THE SINGER & GOODRICH  
LUMBER CO.,**

IMPORTERS OF

**St. Domingo Mahogany,**

**SATIN WOOD AND LIGNUM VITAE,**

21st Street and North River,

**NEW YORK.**

**STEAM CARPET CLEANING WORKS OF**

**P. FREEMAN, successor to Every & Freeman,**

226 & 232 East Forty-second St., New York.

To my Friends and the Public.—Send your orders. I guarantee that all Carpets will be  
thoroughly cleaned and freed from moth, dust, spots and stains, and we air Carpets thoroughly. I have a  
reliable system for Packing Carpets for store house or the summer, and warrant them from the ravages of moth.  
Carpets taken up, cleaned and relaid. Orders sent by mail, also work from out of the city promptly attended to.  
We would respectfully announce to those having Fine Carpets to clean, that we have for a succession of years  
past done work for the house of Messrs. Pottier & Stymus Co., to whom we refer for our responsibility and work.

**FREDERICK ACKERMAN'S**

**Steam Carpet Cleaning Works,**

REMOVED TO 133 WEST THIRTY-SECOND STREET,

(Late of 137 West 82d Street.)

NEW FACTORY. NEW AND IMPROVED MACHINES. EVERY FACILITY FOR THE BEST WORK.

**HANKINSON'S Steam Carpet Cleaning Works,**

No. 15 East Twenty-seventh Street, between Fifth and Madison Aves., New York.

No connection whatever with any other house. The "Original Hankinson" and the Only One of  
that Name Established in this Business in 1861. Orders by mail or otherwise promptly attended to.  
No charge for cartage. Notify if carpets are to be taken up.



**The Great Church LIGHT.**

FRANK'S Patent Reflectors give the Most Powerful, the Softest,  
Cheapest and the Best Light known for Churches, Stores, Show Windows,  
Parlors, Banks, Offices, Picture Galleries, Theatres, Depots, etc. New and  
elegant designs. Send size of room. Get circular and estimate. A liberal discount  
to churches and the trade. L. P. FRANK, 551 Pearl Street, N. Y.



**Substantial, Solid and Veneered**

3/4 and 1 1/4 thick,

FURNISHED IN SECTIONS, NEW DESIGNS.

**NO WOOD CARPETING.**

Kiln Dried Stuff, Best Workmanship, Best  
Facilities, Largest Factory.

AGENT FOR BOSTON HARD WAX POLISH.

**L. R. HARTUNG**

317 EAST 22nd ST.

**INLAID FLOORS**

NEW-YORK



# BOYNTON FURNACE CO.,

No. 94 Beekman Street, New York.

BOYNTON'S LATEST PATTERN FURNACES, RANGES AND HEATERS.

NAT'L A. BOYNTON, President, {Formerly of the late Firm of  
CHARLES B. BOYNTON, Secretary and Treasurer. Richardson, Boynton & Co., dissolved in 1882.

## FIRE ON THE HEARTH.



Stoves, 5 sizes.  
No. 18, New and Elegant  
Design.

AIR WARMING GRATES,  
Two Sizes.

Fire Place Heaters,  
Two Sizes.

Each one combining  
the Radiation and Ven-  
tilation of an open fire,  
with the power and  
economy of a warm air  
furnace; also full lines  
of Parlor and Cook  
Send for Price List.

OPEN STOVE VENTILATING CO.,  
76 Beekman Street, New York.

## The Invalid Accommodation Bed,

(PATENTED.)

For Private Houses and Hospitals.

An inestimable article in every family, in cases of  
injury or severe disease. By ingenious mechanical  
devices, without touching the patient, he is placed  
in any position without the exertion of strength by  
nurse or attendant.



Fig. 1.—Represents the Bed arranged for treat-  
ment of a fractured leg. One limb can be placed  
in any position, and maintained there while the  
sound limb is left free; or in double accidents or  
rheumatism, both can be placed in the immovable  
apparatus shown, and can be raised, lowered or  
moved to either side.

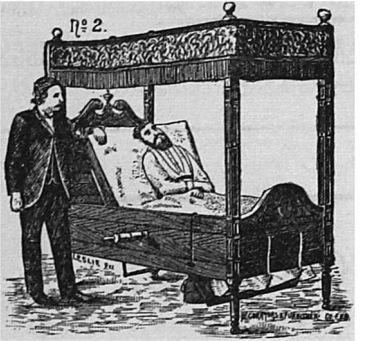


Fig. 2.—Illustrates the method of cleansing with-  
out disturbing the invalid.



Fig. 3.—Represents how a person can be turned  
on either side, without handling the body and  
without pain. In Obstetrical Practice the Bed  
will be found productive of great comfort to the  
parturient, and convenience to the attendants.



Fig. 4.—Shows how the invalid is lifted and sus-  
pended in the free air. This is invaluable in  
periods of great heat, and also to allow of changing  
the bedding, etc.

In health and in sickness this Bed is invaluable.  
It is made of the best materials, and the bedstead  
can be manufactured to suit any style of furniture  
and decorations. Price, from \$75.00 Upward.

CHARLES GÜNOLD,

OWNER OF PATENT AND MANUFACTURER,  
Salesroom, 233 DOCK ST., below Third, PHILADELPHIA.

The Publisher will furnish the name  
and address of the maker of goods men-  
tioned in this column. In order to avoid  
the appearance of advertisements, no name  
will be attached to notices herein.

## HINTS AND NOTIONS.

The arrangement of trophies and the  
fitting up of heraldic rooms is a most attractive  
method of indoor decoration, and as much  
admired by ladies as by gentlemen. The  
straight-backed hall benches of the sixteenth  
century, with a shelf on the top, are especially  
suitable for the purpose. Ancient swords,  
halberds, lances, and spears form a back-  
ground, with a crested shield in the centre,  
and in front should be placed hunting or  
racing cups, interspersed with palms or other  
leaf plants. Suits of armor flank the bench, in  
front of which may be placed an old fashioned  
table, with a linen cover worked in cross  
stitch. The wall decoration can be continued  
by old tapestries, cabinets in Gothic or Renais-  
sance style; ancient weapons of smaller size,  
like daggers, fixed against the wainscot; and  
chairs, carved or embroidered with heraldic  
devices.

Leather-headed nails made of solid and  
substantial leather with a sharpened tongue  
for driving in the wood, are widely used for  
chair, sofa, and other furniture decoration.  
The leather heads of these nails are colored  
various colors, bronzed, silvered, and plushed,  
so that they may be used not alone on furni-  
ture, but on portières, curtains, heavy hang-  
ings, etc. These nails when artistically  
arranged on the curtain have a very pretty  
effect and add very largely to the attractive-  
ness of the material.

A pretty border for a table cover may be  
made of stamped out Chinese figures worked  
on black cloth, with a few quaint Chinese  
trees, houses, palings and the like added in  
old gold silk. Pictures that strike the fancy  
as desirable for working may be cut from the  
paper in which they are printed, and with a  
penknife cut a narrow slit about the windows,  
doors, and other important outlines. Lay the  
pictures upon the cloth and mark through the  
slits with china white.

Baskets and work cases may be made of  
plaited paper, white, brown, or newspaper.  
Thin cartridge paper cut into narrow strips  
three quarters of an inch wide, and each strip  
doubled lengthwise into two can be plaited as  
straw and chip is done. These plaited strips  
may then be stitched together in the shape of  
basket or jar, etc. When finished a couple of  
coats of gelatine and varnished improve them  
greatly.

A new form of decorating pottery,  
plaques, etc., is introduced. It consists of a  
relief picture in monochrome but with the  
shadows sharply and nicely marked. The  
process is that of photography.

German gray and blue ware and Dutch  
crockery, is seen on the sideboards of fashion-  
able dining-rooms, and is considered quite the  
thing now.

A rubber cushion under the legs of a  
work-bench will deaden the sound of ham-  
mering so completely that it will not disturb the  
inmates of adjoining rooms.

Leather chair seats may be brightened  
and revived by rubbing with the white of an  
egg. Leather book binding will also be  
improved by this treatment.

A dado of paneled wood may be decorated  
by every other panel being painted with some  
appropriate flower—a flower with a long stem,  
the bulrush, lily, iris, cat tail, etc.

Small screens, two or three leaved, made  
of olive wood and plush, are pretty to hold  
photographs.

Bookcases have very properly been shorn  
of doors and curtains of plush or silk sub-  
stituted.

Ink stains on a table cloth may be re-  
moved if milk is applied the moment the ink  
is spilt and the spot afterwards washed.

Black cherry wood is suggested as a  
desirable one for furniture.

Ha! ha! is the name of the new Parisian  
tint.

Carved dining-room chairs are fashion-  
able.

Bolting cloth makes neat curtains.



WOOD MANTELS.  
Artistic Styles in any Hard  
Woods, in Special Designs.  
Library Tables and Fittings,  
Bank Counters and Office Desks,  
Opera Chairs, Church Seating,  
and School Desks. We ac-  
knowledge no superior in these  
departments all made by  
A. H. ANDREWS & CO.,  
CHICAGO, ILL.

JOHN BARBER,  
Designer and Manufacturer of  
FINE ART FURNITURE.  
MANTELS A SPECIALTY.  
247 South Third Street,  
PHILADELPHIA.



C. J. SOYARD & CO  
Manufacturers of  
WOOD  
MANTELS  
Furniture  
AND  
Interior  
Fittings  
175  
Washington Street  
BOSTON.  
NO CATALOGUE.

PEERLESS  
SHAKING AND DUMPING OPEN  
FIREPLACE GRATES.  
The Heating Power of Three  
Ordinary Grates.  
Great Saving in Fuel  
Guaranteed.  
Perfectly Clean and Free from Dust.

In use in United States Treasury and Patent  
Office Buildings, Government Buildings, San An-  
tonio, Tex. (60 in use).  
Send for Handsomely Illustrated Catalogue, and  
state where you saw this advertisement.

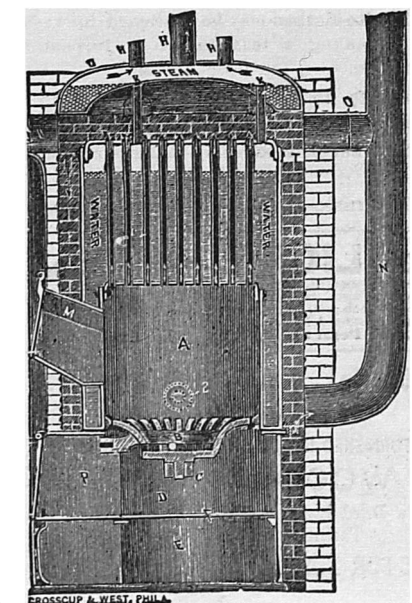
BISSELL & CO.,  
Pittsburgh, Pa.

BUY YOUR KINDLING WOOD AT FACTORY PRICES  
AT THE  
Franklin Steam Kindling Wood Factory,  
310, 312, 314, 316, 318 & 320 EAST SEVENTY-FIFTH ST.,  
NEW YORK.

Send for Price List, or you can order by telegraph, which is at our expense. Families who use a great deal  
of wood should consider that in buying wood by the cord, half cord, or one-third cord of us, they get a specified  
measure, not only a coal cart of wood, but your full money's worth. We make a specialty of selling the very  
best Hickory Wood for Grates and Fire-places. All wood bought from us stored in any part of your cellar at  
our expense.  
JORDAN & BRAUE, Proprietors.

## WARMING AND VENTILATION,

A PERFECT SUCCESS BY OUR APPARATUS.



Residences, School Buildings,  
Manufactories, Churches,  
Opera Houses,  
Hotels, &c.

W A R M E D.

References given.

24 SIZES LOW PRESSURE GENERATORS.

Direct, Indirect, Window Radiation,  
Light's Patents.

Plans and Estimates for Architects. The Trade supplied  
at wholesale. Sales doubled from year to year. Good  
satisfaction everywhere.

EUREKA STEAM HEATING CO.,

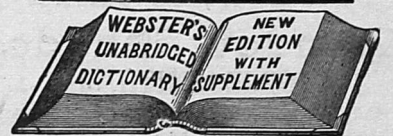
202 State Street,

ROCHESTER, N. Y.

Send for Circulars.

## WEBSTER'S UNABRIDGED.

In Sheep, Russia and Turkey Bindings.



THE STANDARD.

GET THE BEST  
Webster—it has 118,000 Words,  
3000 Engravings, and a New  
Biographical Dictionary.  
Standard in Gov't Printing Office.  
32,000 copies in Public Schools.  
Sale 20 to 1 of any other series.  
aid to make a Family intelligent.  
Best help for SCHOLARS,  
TEACHERS and SCHOOLS.

Webster is Standard Authority with the U. S.  
Supreme Court. Recommended by the State  
Sup'ts of Schools of 36 States.

"A LIBRARY IN ITSELF."  
The latest edition, in the quantity of matter it  
contains, is believed to be the largest volume  
published. It has 3000 more Words in its vo-  
cabulary than are found in any other Am. Dict'y,  
and nearly 3 times the number of Engravings.

The Unabridged is now supplied, at a small ad-  
ditional cost, with DENISON'S

PATENT REFERENCE INDEX.  
"The greatest improvement in book-making that  
has been made in a hundred years."

G. & C. MERRIAM & CO., Pub'rs, Springfield, Mass.

E. RUTZLER,  
Steam Warming For Dwellings,  
AND Offices.  
Ventilation, Stores,  
Hotels, &c.  
170 & 172 Centre St., New York.

JAMES P. WOOD & CO.,  
STEAM HEATING  
Manufacturers of  
WOOD'S  
Am. Kitchen Range  
Descriptive Circular on Application.  
Office, 39 South Fourth St., Philadelphia, Pa.

CHAS. B. KLINE,  
MANUFACTURER OF  
Artistic Slate  
MANTELS  
420 North Third Street,  
PHILADELPHIA, PA.

SEND STAMPS FOR CATALOGUE.

W. H. Harrison & Bro.  
Manufacturers.  
PLAIN AND ARTISTIC  
GRATES  
AND FIREPLACES  
A SPECIALTY.  
Also Furnaces and Ranges.  
Send for Illustrated Catalogue, 1435 Chestnut St., Phila.